GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:4190
ANSWERED ON:10.04.2003
SUBSIDY PROVIDED TO USERS FOR SOLAR ENERGY
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Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether any subsidy is being provided by the Government to users of solar energy directly;

(b) if so, the details thereof;

(c) the measures taken by the Government to promote the wide spread use of solar energy devices and systems in the country ; and

(d) the amount of central grants sanctioned to Maharashtra for development of solar energy during 2002-03 and proposed for the year 2003-04 ?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a)&(b): The Ministry of Non-Conventional Energy Sources is implementing a number of schemes under which subsidies are being provided to the users of various solar energy devices. The details of the subsidies provided are given in the Annexure. The schemes are implemented through state renewable energy agencies and some non-government organizations.

(c): Among the measures taken by the Government to promote the wide spread use of solar energy devices & systems in the country are :

i) Soft loan schemes have been introduced for solar thermal and solar photovoltaic devices through the Indian Renewable Energy Development Agency (IREDA) and some banks.

ii) A soft loan scheme for supporting photovoltaic manufacturing activities has been introduced. New schemes on solar generators and building integrated photovoltaics have also been approved.

iii) Higher levels of subsidy are being provided to users in the North-Eastern States.

iv) Fiscal and financial incentives like subsidies, soft loans, 100% accelerated depreciation, concessional duty imports and excise duty exemption on certain devices and systems are being provided.

v) Special demonstration projects in new application areas and for developing new markets are being funded through grants.

vi) A model building bye-law for making solar assisted water heating systems mandatory in several categories of buildings has been drafted and circulated to all State Governments.

vii) A demonstration scheme for installation of concentrating solar cookers in community kitchens is being implemented.

viii) Solar power plants and solar home lighting systems are being used to electrify villages in remote areas.

ix) A scheme for the establishment of Aditya Solar Shops for making solar products available in different parts of the country is in operation.

x) Publicity and awareness promotion are being carried out through advertisements, brochures, exhibitions, mobile vans and electronic media.

(d): During the year 2002-03 an amount of Rs. 29.05 lakhs was released to the state of Maharashtra for implementation of solar energy programme. No proposal has so far been received from the state for the year 2003-04.

Annexure

Annexure referred to in reply to Parts (a) & (b) of Lok Sabha Unstarred Question No. 4190 for 10.04.2003 regarding Subsidy provided to users for Solar Energy

DETAILS OF CENTRAL SUBSIDY AVAILABLE FOR SOLAR ENERGY DEVICES UNDER SOLAR ENERGY PROGRAMME

A. Solar photovoltaic devices

Sr. No.	Device	Central Subsidy	
		General Areas	Norh Eastern States
1.	Solar Home System	50 % of ex- works cost, subject to a maximum of	90 % of ex- works cost, subject to a maximum of
	Model 1 (18 W module, 1 light)	Rs. 3,000/-	Rs. 5,000/-
	Model 2 (37 W module, 2 lights)	Rs. 5,500/-	Rs. 10,000/-
	Model 3 (37 W module, 1 light, 1 fan)	Rs. 5,500/-	Rs. 10,000/-
	Model 4 (74 W module, 2 lights,1 fan)	Rs. 10,000/-	Rs. 18,000/-
	Model 5 (74 W module, 4 lights)	Rs. 10,000/-	Rs. 18,000/-
2.	Street Lighting System	Rs. 11,000/-	Rs. 20,000/-
3.	Power Plants & Other Community Systems	Rs. 1,80,000/- per kWp of PV array capacity	Rs. 3,50,000/- per kWp of PV array capacity
4.	Solar Generators (150 W - 600 W)	40 % with a maximum of Rs. 40,000/-	
5.	Building Integrated Photovoltaic Systems (BIPV)	80 % of the cost of photovoltaic modules used in BIPV projects	

B. Solar PV Water Pumping Systems

Sr. No.	Implementation arrangement	Central Subsidy
1.	Direct marketing by manufacturers & subsidy routed through Indian Renewable Energy Development Agency (IREDA)	Rs. 110 per watt of photovoltaic (PV) array used, subject to a maximum of Rs. 2.50 lakhs per system
2.	Direct procurement by States (other than NE)	Rs. 135 per watt of PV array used, subject to a maximum of Rs. 2.50 lakhs per system
3.	Direct procurement by NE States	90 % of approved ex-works cost of system
4.	Community drinking water supply	Rs. 110 per watt of PV array used, subject to a maximum of Rs. 2.50 lakhs per system

C. Solar Cookers

Sr. No.	Type of solar cooker	Central Subsidy
1.	Dish Solar Cooker (Minimum diameter 1.4 m)	50% of total cost, limited to Rs.2,500/- per cooker.

2. Community Solar Cooker for indoor cooking (Minimum aperture area 7 sq. m.) — 50% of eligible capital cost, limited to Rs.25,000/- per cooker

3. Solar Steam Cooking System — 50% of the eligible capital cost

D. Solar Thermal Systems (Under demonstration programme)

Sr. No.	Area	Central Subsidy
1.	North East States	Rs. 6,000/- per sq. m. of collector area
2.	Islands and Jammu & Kashmir	Rs. 4,000/- per sq. m. of collector area
3.	Entire Country	50 % of the system cost for trying new technologies with innovative designs and applications